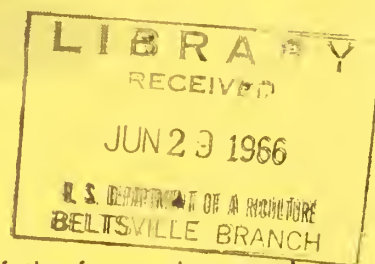
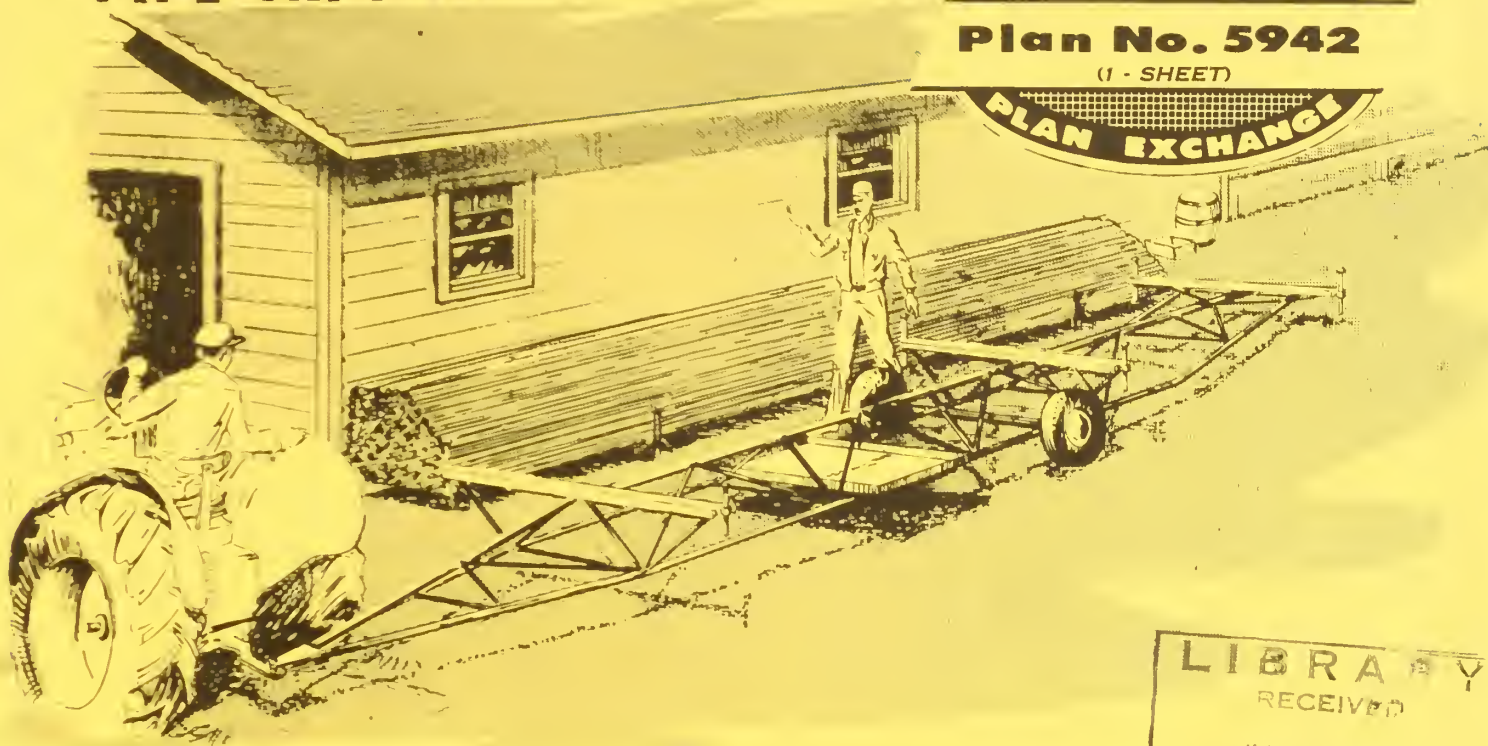


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IRRIGATION PIPE TRAILER



This lightweight trailer, 36 feet long, is designed to haul 30- or 40-foot sections of pipe for portable sprinkler systems. The trailer will transport about $\frac{1}{2}$ mile of 4-inch pipe in a field of low-growing crops where a tractor can run alongside of the pipe laterals.

The main frame of the trailer is built of steel pipe, the braces of square bar steel, and the bolsters of channel iron. A sheet metal pan on the lower frame holds tools and various fittings needed to connect the pipe and sprinkler heads. If one pan is not large enough, two pans—each 5 feet long—may be installed.

Two-directional trussing of the frame gives good rigidity without excessive cost or weight.

The construction details on the other side of this sheet are explicit so that a machinist could build this trailer in a machine shop.

Since the trailer is long, it receives high stresses when one of the wheels falls into a hole. Therefore, the welding and workmanship should be of high quality to minimize the expense of repair.

To inhibit rust, the frame should have a prime coat of metallic zinc dust and zinc oxide base paint, then a coat of zinc paint or other metal paint.

Large-scale working drawings may be obtained through your county agricultural agent or from the extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLAN NO. 5942, IRRIGATION PIPE TRAILER

If the large-scale drawings are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md., 20705. The Department does not distribute drawings, but will forward your request to a State that does.

Please include your ZIP code in your address.

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